# AMENDMENTS TO THE CLAIMS

1.  (Currently Amended) A method comprising:

generating ~~a first plurality of~~ client message digests corresponding to client files, each client message digest ~~that correspond~~ corresponding ~~to a first plurality of~~ to each client file ~~contents~~ on a client ~~connected with a network, wherein the first plurality of message digests uniquely identify the first plurality of file contents~~;

generating ~~a second plurality of client~~ server message digests ~~digest that correspond~~ corresponding to server files, each server message digest corresponding to a server file on a server, wherein the server is coupled to the client over a network~~to a second plurality of file contents on a repository connected with the network, wherein the second plurality of having the message digests uniquely identify the second plurality of file contents corresponding to the client files on the client~~;

~~combining the first plurality of message digests into a single client message digest;~~

~~combining the second plurality of message digests into a single repository message digest;~~

prior to synchronizing the client files with the server files, matching client file contents from the client message digests with server file contents from the server message digest to determine whether the client files and the server files are to be synchronized~~comparing the single client message digest with the single repository message digest to determine file contents that do not match~~; and

synchronizing the <u>client files and the server files, if the client file contents and the</u>

<u>server file contents do not match</u><s>file contents that do not match with the</s>

<s>client and the repository</s>.

2.    (Currently Amended) The method of claim 1, <s>further comprising</s> <u>wherein the</u>

<u>synchronizing of the client files and the server files comprises adding missing</u>

<u>client file contents to the server file contents</u><s>storing the first plurality of message</s>

<s>digests on the client</s>.

3.    (Currently Amended) The method of claim 2, <s>further comprising</s> <u>wherein the</u>

<u>synchronizing of the client files and the server files comprises adding missing</u>

<u>server file contents to the client file contents</u><s>generating a new plurality of message</s>

<s>digests for files on the client to be cached on the repository prior to</s>

<s>synchronizing</s>.

4.    (Currently Amended) The method of claim 1, <s>wherein</s> <u>further comprising</u>

<u>uniquely identifying</u> the <s>first plurality of</s> <u>client</u> file contents <u>of the client files</u>

<s>comprises a subset of files stored on the client</s> <u>via the client message digests</u>.

5.    (Cancelled)

6.    (Currently Amended) The method of claim 1, wherein the <s>generating of the first</s>

<s>and second plurality of message digests comprises</s> <u>uniquely identifying of the</u>

client file contents comprises generating a cryptographic hash ~~for~~corresponding to content of the ~~each file content~~ client files that are to be synchronized.

7.     (Currently Amended) The method of claim 6, ~~wherein the cryptographic hash comprises 128 to 160 bits~~ further comprising combining the client message digests into a single client message digest.

Claims 8-9 (Cancelled)

10.    (Currently Amended) A system comprising:

~~a repository server connected with a network, the repository server to function as~~

~~a data repository on behalf of a client,~~

a storage medium; and

a processor coupled with the storage medium, the processor to:

generate ~~a first plurality of~~ client message digests ~~that correspond~~

corresponding to client files, each client message digest

corresponding to each client file on a client~~to a first plurality of file~~

~~contents on the repository, wherein the first plurality of message~~

~~digests uniquely identify the first plurality of file contents, and~~;

~~combine the first plurality of message digests into a single repository~~

~~message digest; and~~

~~the client connected with the repository server via the network, wherein~~

~~the client is to~~

generate ~~a second plurality of~~ server message digests corresponding to

server files, each server message digest corresponding to a server

file on a server, wherein the server is coupled to the client over a

network~~that correspond to a second plurality of file contents,~~

~~wherein the second plurality of message digests uniquely identify~~

~~the second plurality of file contents,~~;

~~combine the second plurality of message digests into a single client~~

~~message digest,~~

~~compare the single client message digest with the single repository~~

~~message digest to determine file contents that do not match, and~~

prior to synchronizing the client files with the server files, match client file

contents from the client message digests with server file contents

from the server message digest to determine whether the client

files and the server files are to be synchronized; and

synchronize theunderline{ client files and the server files, if the client file contents}

and the server file contents do not match~~file contents that do not~~

~~match with  the client and the repository.~~


11.    (Currently Amended) The system of claim 10, wherein the ~~generating of the first~~

~~and second of plurality of message digests comprises performing~~processor is

further to perform a cryptographic hash corresponding to content of the client files

that are ~~for each file content~~to be synchronized.

12.    (Currently Amended) The system of claim 11, wherein the cryptographic hash comprises 128 to 160 bits.

Claims 13-19 (Cancelled)

20.    (Currently Amended) A machine-readable medium ~~having stored thereon data representing sets of~~ comprising instructions which~~,~~ when executed ~~by a machine~~, cause ~~the~~ a machine to:

generate ~~a first plurality of~~ client message digests corresponding to client files, each client message digest corresponding to each client file~~that correspond to a first plurality of file contents on a client connected with a network, wherein the first plurality of message digests uniquely identify the first plurality of file contents~~;

generate ~~a second plurality of~~ server message digests corresponding to server files, each server message digest corresponding to a server file on a server, wherein the server is coupled to the client over a network~~that correspond to a second plurality of file contents on a repository connected with the network, wherein the second plurality of message digests uniquely identify the second plurality of file contents~~;

~~combine the first plurality of message digests into a single client message digest;~~

~~combine the second plurality of message digests into a single repository message digest;~~

prior to synchronizing the client files with the server files, match client file contents from the client message digests with server file contents from the

server message digest to determine whether the client files and the server

files are to be synchronized~~compare the single client message digest with~~

~~the single repository message digest to determine file contents that do not~~

~~match~~; and

synchronize the client files and the server files, if the client file contents and the

server file contents do not match~~file contents that do not match with the~~

~~client and the repository~~.


21.     (Currently Amended) The machine-readable medium of claim 20, wherein the

~~client stores the first plurality of message digests~~ instructions when executed to

synchronize the client files and the server files, cause the machine to add missing

client file contents to the server file contents.


22.     (Currently Amended) The machine-readable medium of claim 21, wherein the

~~sets of instructions, when executed by the machine, further cause the client to~~

~~generate a new plurality of message digests for files on the client to be cached on~~

~~the repository prior to synchronizing~~ instructions when executed to synchronize

the client files and the server files, cause the machine to add missing server file

contents to the server file contents.


Claims 23-28 (Cancelled)